

REMARKS:

The title and summary of the invention have been amended to be consistent with the amended claims.

Claims 30-32, 35-36, 38-40, 49-51, 54-55 and 57-59 have been amended.

Claims 46-48 and 65-67 have been canceled.

Support for the amendments to claims 30 and 49 is found, for example, in the embodiments shown in Fig. 10 and the text describing Fig. 10 on pages 21-24.

Responding to paragraphs 1-2 of the Office Action, the rejection of claims 30-67 for nonstatutory double patenting is respectfully traversed. The amendments to independent claims 30 and 49 are sufficient to preclude any improper timewise extension of the "right to exclude" under U.S. Patent No. 6,118,758.

Responding to paragraphs 3-4 of the Office Action, the rejection of claims 30 and 49 under 35 U.S.C. 102(e) as being anticipated by Gudmundson (U.S. Patent No. 5,790,516, "Gudmundson") is respectfully traversed. The Examiner's citations to Gudmundson are directed to Fig. 4B of Gudmundson, which shows a receiver. The pending claims are directed to transmission techniques, not receiver techniques. Gudmundson shows a transmitter in Fig. 4A, which is described from Col. 6, line 64 through Col. 7, line 44. The transmitter includes an IFFT 404, which places signals in the time domain. Amended claim 30 is limited to generating digital data points without entering the time domain. This feature alone precludes anticipation by Gudmundson. In addition, the undersigned has been unable to find anything in Gudmundson that teaches or suggests the accumulating step of amended claim 30. For all the foregoing reasons, claim 30 is allowable over Gudmundson.

Claims 31-44 depending on claim 30 have not been rejected on any prior art grounds, and therefore are allowable. In addition, claims 31-45 are allowable for the same reasons as claim 30.

Claim 49 has been amended in an analogous manner to claim 30 and is allowable for the same reasons as claim 30.

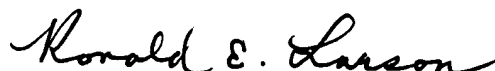
Claims 50-63 depending on claim 49 have not been rejected on any prior art grounds, and therefore are allowable. In addition, claims 50-64 depending on claim 49 have been amended in a manner analogous to claims 31-45 and are allowable for the same reasons as claims 31-45.

Responding to paragraph 6 of the Office Action, the rejection of claims 45 and 64 under 35 U.S.C. 103(a) as being unpatentable over Gudmundson in view of Isaksson (U.S. Patent No. 5, 812, 523, "Isaksson") is respectfully traversed. The Examiner cites Isaksson for the proposition that it discloses carrier signals that carry at least some subsymbols aligned in time. This adds nothing to the deficiencies in Gudmundson previously discussed. In addition, claims 45 and 64 are dependent on claims 30 and 49, respectively, and are allowable for the same reasons as claims 30 and 49.

For all the foregoing reasons, claims 30-45 and 49-64 are allowable, and such action is respectfully requested.

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Respectfully submitted,



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